August Hessel (Thijs)

Embedded Software Engineer

Profile

Engineer with the ambition to work on sustainable solutions and is able to map requirements and implement them with a test-driven approach.

Personal details

first name: Thijs

name: August Hessel
18 09 1992
Utrecht

info@augusthessel.nl
linkedin.nl/in/augusthessel

Company

company name:
August Hessel

coc nr.:
90752317

Skills

C C++ Python UML

Scrum V-model

CI/CD TDD

Tools

FreeRTOS
Git Svn Cmake
Eclipse GDB

Characteristics

Independent

Goal oriented

Flexible

Education

Bachelor Applied Computer Science — *HAN, Arnhem*

Minor abroad — *Ajou University, Suwon*

Trainings

Professional Scrum Master I — *Scrum.org*

ISTQB Foundation — *International Software Quality Institute*

Embedded Linux — *Vijfhart*

Advanced Python — *Vijfhart*

Work experience

Sabbatical 2022 – 2023 *Europe*

Travelled with self-built campervan through Europe. From Norway, via Georgia to Spain and back. Here I admired nature, met new people and solved 101 practical problems while travelling.

Vitalfluid 2021 – 2022 *Eindhoven*

Development for a production-worthy machine to produce liquid fertilizer. Responsible for the firmware of the hardware components in the machine to generate and monitor plasma. The challenge is to stop the plasma with the shortest possible response time if an error occured in the machine.

Onera 2018 – 2021 *Eindhoven*

Firmware development for a medical-grade sleep diagnostics system from scratch where IEC 62304 was applied. Drivers implemented for a Cortex-M processor that support sensor data acquisition, signal processing, data storage and data transmission over USB.

Océ-Technologies 2016 – 2018 *Venlo*

Software development for a large format printer. Here I investigated the functional requirements of the part of the printer I was responsible for. And translated these requirements into a technical design to implement them using a test-driven approach.

Prange 2015 *Winterswijk*

Low level driver development for an Atmel SAM4L microcontroller to connect a prototype water flow sensor to an ethernet controller that periodically sends data to a database.